

David L. Geringer P.E.

Consulting Engineer

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Dec. 28, 2012

City of Napoleon
255 W. Riverview
Napoleon, Ohio 43545.
Attn: Tom Zimmerman

Re: Jim Mathias Garage

Dear Mr. Zimmerman:

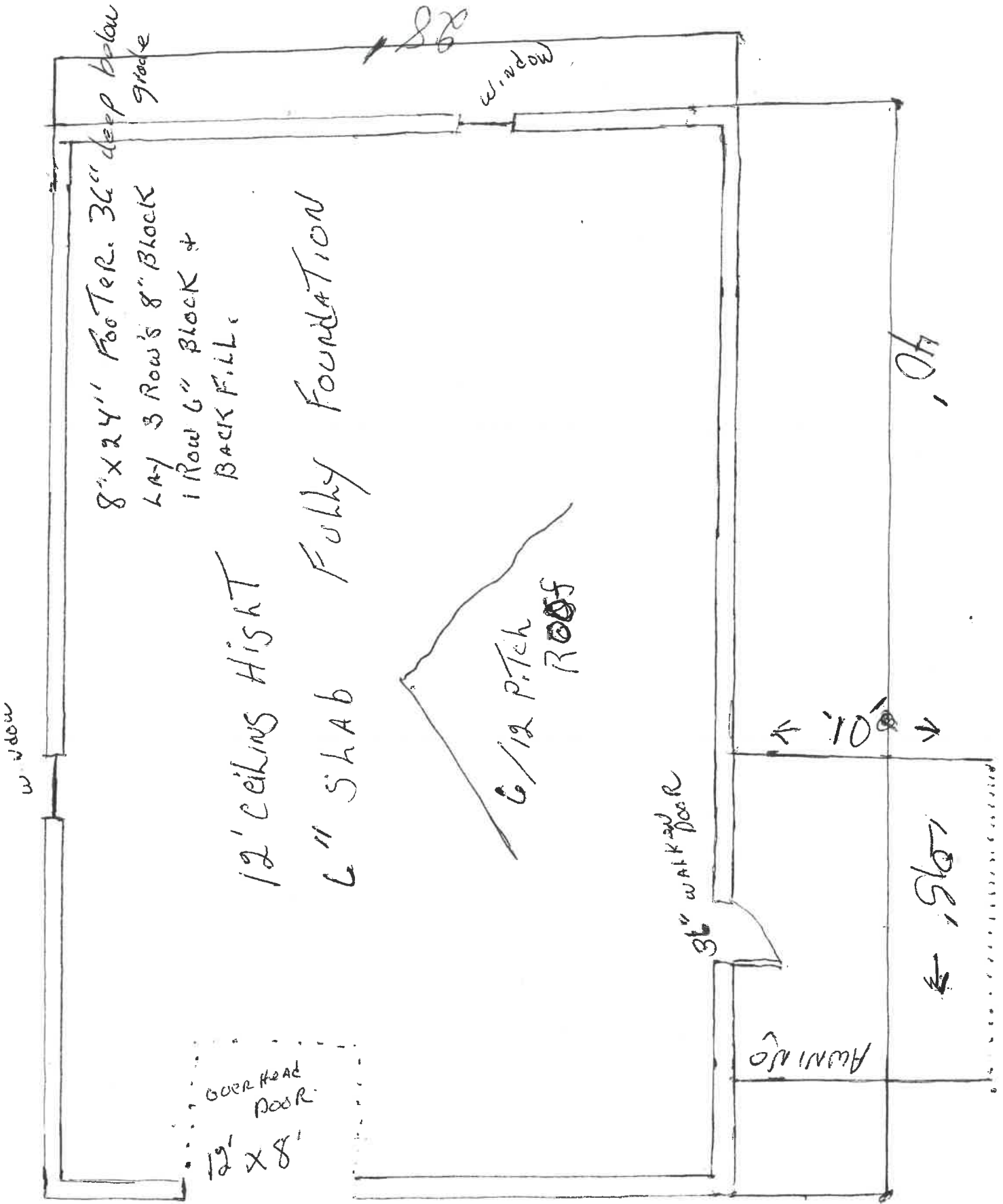
This letter is in regards to the structural inspection I made (Dec. 20th, 2012) of the roof truss at Jim Mathias's garage located at 1448 Oakwood St., Napoleon, Ohio. This inspection was performed due to the one truss having the bottom chord cut out in the center of the span where the pull down ladder was located. The truss was headered off on each side of the opening and attached to the adjacent truss. I have calculated the stresses on the adjacent truss due to additional loading and have determined that the contractor needs to add two 1 3/4" x 7 1/4" LVL joists (Fb = 2850 psi) to the side of the existing adjacent truss bottom chord. These two joists should be nailed to the side of the existing truss bottom chord. The existing truss that had the bottom chord cut away should have joist hangers attached to the header that is on each side of the stair opening. If the work is performed as stated this should be adequate to support any allowable floor live loads.

If you have any questions please feel free to call me.

Sincerely,

David L. Geringer
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8" x 24" Footer. 36" deep below grade
 4th Row's 8" Block
 1 Row 6" Block +
 BACK FILL.

12' ceiling height
 6" Shab Furry Foundation



OVER HEAD DOOR
 12' x 8'

36" walk door

ADMIN

10' → ←

195' → ←

40'

Window

Window

1448 Oakwood